

NEN' *land* EL *and* TUU *water*

The CVTC Tribal Response Program Newsletter

Late Summer 2020

Volume 1 | Issue 3



NTS'E BA HNIYAES?

WHAT ARE YOU TALKING ABOUT?

Tlagh eł tułtaeni:

Oil and dead salmon

Nts'e ghusga'ida:

Don't get dirty

Stakunidzaac:

They put things away

Hnats'et'aen:

We are playing.

Slaaghe dela dezenda?

Can you help?

C'et'aan' unetniigi

flowers (lit. "leaves that we love")

TLAGH EŁ TUŁTAENI:

OIL AND DEAD SALMON

It only takes a moment for things like oil and gasoline to get away from us, and these things travel quickly to water even if they get spilled on the ground. Dirty water kills fish and a lot of other living things, so here are some tips from www.the71percent.org we can use to protect our waterways:

- When fueling equipment or draining fuel, only do so on a concrete pad rather than directly on the ground.
- Make sure you have the proper cleanup supplies on hand and close by in case of a spill.
- Fill your boat motors when they're on land, not when they're on the water.
- Always store fuel in an approved container that is clearly marked. It should have a spout to help avoid spills when pouring. Use a funnel as necessary.

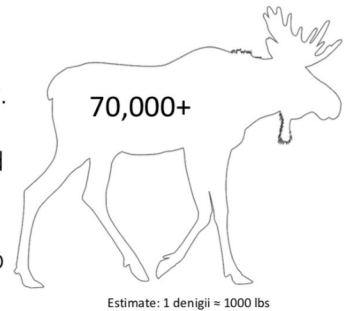


Fish (*tsabaey*) at Potter Marsh, Anchorage, AK

A Small Amount of Oil Can Make Big Problems

One (1) gallon of spilled oil can contaminate one million gallons of water.

For you moose hunters and processors out there: It would take the blood of more than 70,000 moose to make 1,000,000 gallons.



One (1) gallon of oil could cover eight (8) acres of water surface.

For you baseball fans: An acre is a little smaller than a baseball field.



The information in this infographic is for informational purposes only. Data is based on estimated values.
Data Sources:
<https://www.the71percent.org>
https://www.researchgate.net/publication/228082620_Hematology_and_serum_chemistry_reference_ranges_of_free-ranging_moose_Alces_alces_in_Norway

- Never store gasoline or oil near wells or surface waters like ponds, lakes, streams, and rivers.
- Do not store tanks directly on the ground for extended time periods.
- If you have above ground storage tanks on your property, take protective measures to prevent groundwater contamination. Your storage tanks should always have a secondary containment area underneath them in case of leaks or spills. This area should be 110% the size of your storage tank's maximum volume. (If you have a 200 gallon storage tank, the spill catch under it should be able to hold 240 gallons.) This will allow for more room to catch rain or snow that might also fall in the secondary containment.
- Look at rain or snow that has fallen into the containment area and check it for signs that fuel has leaked out of your tank.

Remember: If you notice any oil on a body of water in AK (even just a drop!), report it immediately:

National Response Center - 1.800.424.8802

NTS'E GHUSGA'IDA: DON'T GET DIRTY

Have you been looking to buy a piece of property lately? If so, you might want to make sure that it hasn't been contaminated in the past with petroleum products like oil and gasoline, or other hazardous chemicals. Under federal and state law, whoever owns the property at the time the contamination is discovered is considered to be the responsible party for cleaning it up: even if the previous property owner didn't know about it; even if the new property owner didn't make the mess! You've probably heard the saying, "If something seems to be too good to be true, it probably is." Well, if someone offers to sell you a piece of property at a price that's too good to be true, make sure you're not buying their problem.

What can you do to protect yourself? Before buying a questionable property, make sure that you get a Phase I Environmental Site Assessment (ESA) done. A Phase I ESA is the process where a qualified, independent third-party searches through records to figure out how the property was used in the past; contacts people who knew the prior property owners for interviews; and actually walks the property to do a visual inspection. Their findings go into a report that will either say that the property seems fine, or they will advise that more work should be done. This report is the shield you will need to protect yourself from liability, if contamination is discovered on your property later, after you buy it. It is what will send the state looking for a responsible party to pay for the cleanup, and it will also open up doors to money that can be used to pay for a cleanup that would otherwise be closed to you.

It's probably expensive, right?

A Phase I ESA isn't all that expensive to get done when you consider all the factors that go into property prices: usually \$3-5,000 depending on the company. Additionally, it might be required by your lender. The seller may have paid for one already, to make the property more marketable. The cost of a Phase I ESA could be added to the closing costs of the transaction: it's all negotiable. What isn't negotiable is whether or not to clean the property up later, if you are identified as the owner of a contaminated property who didn't get a pre-purchase Phase I ESA. And if you can't afford (or you refuse) to clean up the land, the state can legally take over and do it for you at 3-5 times the original cleanup cost which the state will charge you. (Yikes! *Nts'e ghusga'ida!*)

STAKUNISDZAAC: THEY PUT THINGS AWAY



Fireweed (*tl'ac'usk'a'*) on
Farm Loop Road, Palmer, AK.

It's almost time to put all of our lawn care equipment away for the season, and that means making sure that gas and oil is stored properly as well. A couple of tips from www.familyhandyman.com remind us to keep our containers:

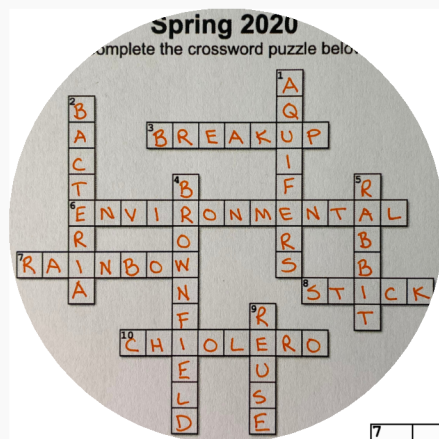
- at least 50' away from open flames like wood stoves or pilot lights in water heaters
- in a garage or shed rather than in the house
- out of direct sunlight
- on concrete (and in a bin to catch leaks)

If you need to learn how to store a weed whacker or lawn mower, Popular Mechanics has a lot of good tips. You can visit this website to learn more:

<https://www.popularmechanics.com/home/tools/reviews/a9646/how-to-store-small-engines-for-the-winter-16109095/>

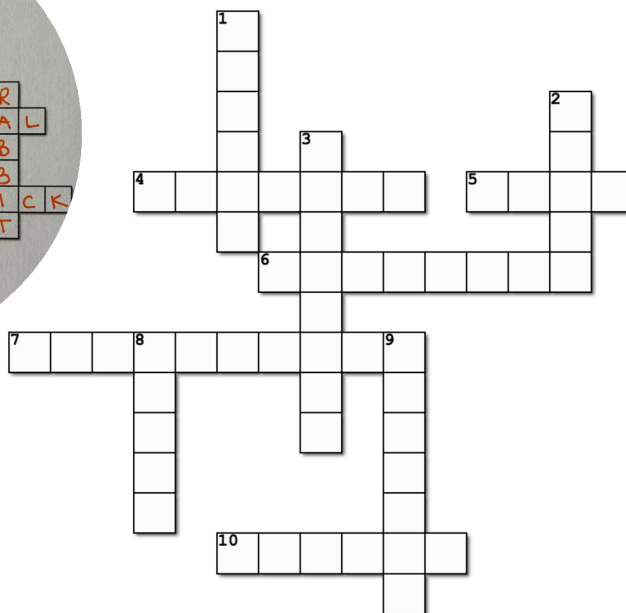
HNATS'ET'AEN: WE ARE PLAYING

It's crossword puzzle time! Fill in the blanks by following the clues below. All of the answers were taken directly from the articles in this newsletter.



Late Summer 2020

Complete the crossword puzzle below.



Created using the Crossword Maker on TheTeachersCorner.net

Across

4. One gallon of spilled oil can contaminate a ____ gallons of water.
5. Report any oil you see on water, even if it's just a ____!
6. 1.800.424.8802 - National ____ Center
7. Environmental Site ____
10. c'et'aan' unetniigi

Down

1. dadiili'
2. denigii
3. ti'ac'usk'a'
8. One gallon of spilled oil can cover ____ acres of water surface.
9. a fish (with white flesh)



Purple (Dadiili') Harebells



@brownfieldbear

SLAAGHE DELA DEZENDA? CAN YOU HELP?

Curious about the Tribal Response Program? Wanna talk about brownfields or have me do a presentation? Got an idea for an article you'd like to see? I'd love to hear from you!

Richard Chiolero

CVTC Tribal Response Program Coordinator

phone: 907.761.3908

email: rechiolero@chickaloon-nsn.gov

website: <https://www.chickaloon-nsn.gov/tribal-response-program/>